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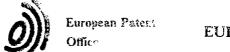
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Process for continuous production of nonwoven highly water-absorbent complex,

The invention relates to a process for the continuous production of nonwoven highly water-absorbent complex characterized in adding in advance to an aqueous monomer solution a crosslinking agent and a oxidizing polymerization initiating agent having a latent activity, and after impregnating a continous nonwoven fibrous web with this solution, causing a rapid polymerization reaction by adding an activator to this web so as to form a water-swelling polymer in this web, thereby continuously forming a nonwoven highly water-absorbent comple. As the radical polymerization initiator a peroxide e.g. hydrogen peroxide is used, and as the activator a water soluble reducing agent capable of forming a redox system with said peroxide, e.g. aniline or sodium sulfite is used.



EUROPEAN SEARCH REPORT

EP 86 10 7597

]	DOCUMENTS CONSII	DERED TO BE RELEV.	ANT	Er 50 10 /5
Category	Citation of document with in of relevant pas	dication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
Α .	EP-A-0 019 169 (BAS * Claims 1,4,5; page 8, line 21; example	F) : 3, line 1 - page	1-4	D 04 H 1/64
A	GB-A- 962 458 (RÖHM & HAAS) * Claims 1,2,4,8-10; page 1, line 15 - page 4, line 13 *		1	
A	WO-A-8 001 031 (DU PONT) * Claims 1,2; page 2, lines 29-96 *		5	
X,E	CHEMICAL ABSTRACTS, 19th October 1987, p no. 135863g, Columbo JP-A-62 97 979 (MITS PETROCHEMICAL CO., I * Whole abstract *	page 84, abstract us, Ohio, US; & SUBISHI	1-3	
		·		TECHNICAL FIELDS SEARCHED (Int. Cl.4)
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, 	The present search report has b	een drawn up for all claims		
	Place of search	Date of completion of the sear	į.	Examiner
TH	IE HAGUE	18-04-1989	BLA	SBAND I.
Y:pa de A:te O:n	CATEGORY OF CITED DOCUME articularly relevant if taken alone articularly relevant if combined with an ocument of the same category exhnological background on-written disclosure attermediate document	E: earlier pat after the f other D: document L: document	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document	